

Abstract

The invention concerns DNA and peptide sequences encoding a novel mammalian secreted group IIF phospholipase A₂ wherein said enzyme is Ca²⁺-dependent, maximally active at pH 7-8, and hydrolyzes phosphatidylglycerol versus phosphatidylcholine with a 15-fold preference and more particularly, a novel human group IIF phospholipase A₂. The invention also concerns the use of this enzyme in methods for screening various chemical compounds.